

Message Text

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ACTION ARA-10

INFO OCT-01 ISO-00 OES-05 FEA-01 ERDA-07 AID-05 CEA-01

CIAE-00 CIEP-02 COME-00 DODE-00 EB-07 FPC-01 H-02

INR-07 INT-05 L-03 NSAE-00 NSC-05 OMB-01 PM-04

USIA-15 SAM-01 SP-02 SS-15 STR-04 TRSE-00 /104 W

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P 051914Z MAR 76

FM AMCONSUL RIO DE JANEIRO

TO SECSTATE WASHDC PRIORITY 3449

INFO AMEMBASSY BRASILIA PRIORITY

UNCLAS RIO DE JANEIRO 0950

E. O. 11652: N/A

TAGS: TECH, BR

SUBJ: NON-NUCLEAR ENERGY R&D COOPERATION

REF.: (A) STATE 029379

(B) STATE 049857

(C) RIO 0901

SCIOFF SENDING INTERIM PARTIAL INFORMATION IN RESPONSE
TO REFTEL (B) NOT COORDINATE BY EMBASSY.

1. MINISTER OF MINES AND ENERGY UEKI HAS STATED THAT
FOUR NON-CONVENTIONAL ENERGY R&D PRIORITY AREAS ARE
OIL SHALE UTILIZATION, LOW GRADE COAL UTILIZATION
(GASIFICATION, ETC.), SOLAR ENERGY, AND NUCLEAR ENERGY.

2. GOB PROGRAM IN OIL SHALE DESCRIBED BY MINATT IN
RIO 3644 OF 11/10/75, INCLUDING PILOT PROCESSING PLANT
AND PLANS FOR FULL SCALE PLANT.

3. NO INFO YET ON COAL PROGRAM - THIS IS DR. KREHE'S
SPECIALITY (REFTEL C).

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4. SOLAR ENERGY - R&D BUDGET FOR BEGINNING 1975 WAS

ABOUT \$2.5 MILLION. AREAS AND INSTITUTIONS ARE:

- (A) COLLECTORS - UNIV. OF CAMPINAS (UNICAMP)
- (B) SOLAR DRYERS - SOLAR ENERGY LAB OF UNIV. OF PARAIBA AND UNICAMP
- (C) SOLAR STILLs - NOT IDENTIFIED
- (D) REFRIGERATION - UNICAMP
- (E) THERMAL ENGINES - INST. TECNOLÓGICO DA AERONÁUTICA (ITA)
AND SOLAR ENERGY LAB
- (F) PHOTOVOLTAIC EFFECT - UNICAMP
- (G) BIOCONVERSION (PHOTOSYNTHESIS, ALGAE CULTURE, PYROLYSIS
OF ORGANIC MATTER TO FUELS, FERMENTATION, ETC.) - NAVAL
RESEARCH INSTITUTE (IPQM) AND OTHERS
- (H) SOLAR ARCHITECTURE - NOT IDENTIFIED
- (I) SOLAR ELECTRIC POWER GENERATION - NOT IDENTIFIED
- (J) ENERGY STORAGE - NOT IDENTIFIED
- (K) SOLARIMETRY - NATIONAL METEOROLOGICAL DEPARTMENT AND OTHERS.

5. HYDROGEN ECONOMY: SEPLAN/FINEP DID STUDY IN 1975, PLANNED
2-YEAR PROGRAM OF RESEARCH AND FURTHER STUDIES (COST APPROX.
\$2 MILLION), AND IMPLEMENTATION HAS BEGUN. FINEP ALSO STUDIES
THE PRODUCTION OF AMMONIA FOR FERTILIZER FROM ELECTROLYSIS
OF WATER AS AN ALTERNATIVE TO USE OF PETROLEUM.

6. GEOTHERMAL: NOT GIVEN HIGH PRIORITY BECAUSE OF GOB ESTIMATES
OF RELATIVELY POOR PROSPECTS IN BRAZIL.

7. IMPROVED UTILIZATION AND CONSERVATION: NO INFO AS YET ON
R&D ACTIVITIES.
DEXTER

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